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From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
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ARLINGTON, VA. 22202

PCT

14 JUL 2005

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY REPORT ON PATAENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing (day/month/year)

26 JAN 2005

Applicant's or agent's file reference

27434

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/IL04/00043

15 January 2004 (15.01.2004)

16 January 2003 (16.01.2003)

Applicant

GALIL MEDICAL LTD.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and

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Form PCT/IPEA/416 (January 2004)



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference							
27434	FOR FURTHER ACTION	See Form PCT/IPEA/416					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)					
PCT/IL04/00043	15 January 2004 (15.01.2004)	16 January 2003 (16.01.2003)					
International Patent Classification (IPC)	or national classification and IPC	10 Junuary 2003 (10.01.2003)					
IPC(7): A61B 5/103, 5/117 and US Cl.:	600/587						
Applicant							
GALIL MEDICAL LTD.							
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.							
	a total of <u>5</u> sheets, including this cover						
	anied by ANNEXES, comprising:						
	nt and to the International Bureau) a tota	l of sheets as follows:					
,							
of this report	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
		this Authority considers contain an					
amendment th	at goes beyond the disclosure in the	international application as filed as					
	em 4 of Box No. I and the Supplemental						
carrier(s))	e International Bureau only) a total of	(indicate type and number of electronic					
1	a sequence listing and/or tables related t	hereto, in computer readable form only,					
as indicated in th	e Supplemental Box Relating to Sequ	nence Listing (see Section 802 of the					
Administrative Inst	ructions).	(see seemon cop of the					
4. This report contains indicat:	ions relating to the following items:	,					
Box No. II Pric	•						
ļ	n-establishment of opinion with regard to	novelty inventive etch and industrial					
	licability	noverty, inventive step and industrial					
Box No. IV Lac	k of unity of invention						
Box No. V Rea indu	rith regard to novelty, inventive step or tions supporting such statement						
	tain documents cited	statement					
Box No. VII Cert	ain defects in the international application	on.					
Box No. VIII Cert	ain observations on the international app	ne international application					
Date of submission of the demand	Date of completi	on of this report					
17 June 2004 (17.06.2004)	18 January 2004 (18.01.2004)					
Name and mailing address of the IPEA/ U.		18 January 2004 (18.01.2004)					
Mail Stop PCT, Attn: IPEA/US	Padiorized Officer	Authorized officer					
Commissioner for Patents P.O. Box 1450	Max Hindenburg	Shejla H. Vekey /) Paralegal Specialisi					
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Talanhona No. (7)	03) 308-085 T ech. Center 3700					
Lacontine INO. 1703 303-3230	Telephone No. (7	03) 300-003 0 000 COME 3100					

Internationa lication No.
PCT/IL04/00043

	Box	No). I	Basis of the report			
	1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.						
	Ĺ	This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:					
				international search (under Rules 12.3 and 23.1(b))			
				publication of the international application (under Rule 12.4)			
				international preliminary examination (under Rules 55.2 and/or 55.3)			
:	2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):						
ĺ			the in	international application as originally filed/furnished			
		\boxtimes	the de	description:			
-				ges 1-11 as originally filed/furnished			
				es* NONE received by this Authority on			
			pages	es* NONE received by this Authority on			
			the cl	claims:			
l			pages	es 12-17 as originally filed/furnished			
				es* NONE as amended (together with any statement) under Article 19			
				es* NONE received by this Authority on			
			pages	es* NONE received by this Authority on			
ĺ			the dr	drawings:			
				es 1-2 as originally filed/furnished	İ		
				es* NONE received by this Authority on			
			pages	es* NONE received by this Authority on			
			a sequ	quence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.			
3	. [The ar	amendments have resulted in the cancellation of:			
				the description, pages			
				the claims, Nos	· ·		
			Ē	the drawings, sheets/figs			
			同	the sequence listing (specify):	İ		
				any table(s) related to the sequence listing (specify):			
	r-	٦.					
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).							
	the description, pages						
				the claims, Nos			
				the drawings, sheets/figs			
			亏	the sequence listing (specify):			
			==				
		i		any table(s) related to the sequence listing (specify):			
*	* If item 4 applies, some or all of those sheets may be marked "superseded."						



International Acation No. PCT/IL04/00043

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims 8-10,12,13-18,23-26,30,37-39 and 41 Claims 1-7,11,19-22,27-29,31-36 and 40	YES NO		
Inventive Step (IS)	Claims 8-10,13-18,23-26,30 and 37-39 Claims 1-7,11,12,19-22,27-29,31-36,40 and 41	YES ŅO		
Industrial Applicability (IA)	Claims 1-41 Claims NONE	YES NO		

2. Citations and Explanations (Rule 70.7)

Claims 1, 2, 5-7, 11, 19, 22, 27, 29, 31, 34, 36 and 40 lack novelty under PCT Article 33(2) as being anticipated by U.S. Patent No. 5,865,801 to Houser. Houser discloses an expandable balloon catheter (12) having an expandable balloon (24) which comprises a plurality of strain gauges (Col. 5, lines 45 - 50) mounted external to a wall of the balloon and a data analysis module. The data module comprises a graphics display (Col. 7, lines 23 - 25). The display is capable of displaying an image obtained from an ultrasound system (Col. 6, lines 5 - 26). The strain gauges report strain through a wire connection (Col. 7, lines 20 - 22). Houser discloses a radio-opaque marker (Col. 4, lines 53 - 57).

Claims 1, 5, 6, 11, 19, 34 and 35 lack novelty under PCT Article 33(2) as being anticipated by U.S. Patent No. 5,902,308 to Murphy. Murphy discloses an expandable balloon catheter having an expandable balloon that comprises a plurality of strain gauges mounted in circumferentially on the balloon (Col. 9, lines 12 - 35). The gauges report strain through a wire connection (66).

Claims 1 - 5, 7, 11, 19-22, 27-29, 31-34 and 40 lack novelty under PCT Article 33(2) as being anticipated by U.S. Patent No. 6,427,089 to Kowlton. Knowlton discloses an expandable balloon catheter having an expandable balloon that comprises a plurality of strain gauges mounted external, internal and embedded in a wall of the balloon (Col. 15, lines 3 - 10) and a data analysis module (Col. 14, lines 64 - 67). The data module comprises a memory module and a graphics display. The display is capable of displaying an image obtained from a medical imaging modality (Col. 16, line 55 - Col. 17, line 5). The strain gauges report strain through a

Claims 12 and 41 lack an inventive step under PCT Article 33(3) as being obvious over U.S. Patent No. 5,902,308 to Murphy in view of U.S. Patent No. 3,831,588 to Rindner. Murphy discloses the strain gauges reporting strain through a wire connection (66). However, Murphy fails to disclose the strain gauges reporting strain through a wireless connection. Rindner discloses a catheter obvious to replace the connection as disclosed by Murphy with a wireless connection as taught by Rindner to make the system less cumbersome by removing a wired connection.

Claims 8-10, 13-18, 23-26, 30 and 37-39 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method or system as claimed by applicant.

Claims 1-41 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry related to diagnostic catheters.

Form PCT/IPEA/409 (Box No. V) (January 2004)